











Bill of Materials

None

reation Date: 10-11-2015 14:30:40 rint Date: 10-11-2015 10-11-2015 14:30 rawn Bv: Carsten Albertsen (Caalb) Address: Tek Teknologi 928-693-1 Campusvej 55 5230 Odense M Denmark



olue 00R@100M	Comment BK1005HW601-	Description Ferrite bead	Designator L1, L2, L3	Footprint 0402L	Supplier 1 RS-Components	Supplier Part Number 1	Supplier 2 Farnell	Supplier Part Number 2 1651725	Supplier 3 Digi-Key	Supplier Part Number 3 587-1851-1-ND	Supplier 4 Mouser	Supplier Part Number 4	Quantity
or res innin	T	300mA, 600mOhm, 600R@100Mhz	E-1, EE, EU	O-FOZE.	components		. arreir	1723	Digi-Ney	1001-1710	Justi		
<	1%	Resistor, SMD,	R15, R16	0402R	RS-Components		Famell		Digi-Key		Mouser		
	1%	0402, 0.063W Resistor, SMD,	R8, R9	0402R									
F	6.3V	0402, 0.063W Capacitor, SMD,	C1, C2	0805C	RS-Components	810-C2012X5R0J476M	Famell		Digi-Key	445-5987-1-ND	Mouser	810-C2012X5R0J476M	
	XXV	0805, X5R Capacitor, SMD,	C3	0402C	RS-Components		Famell		Digi-Key		Mouser		
	1%	0402 Resistor, SMD.	R13, R14	0402R	RS-Components		Famell		Digi-Key		Mouser		
oF.	XXV	0402, 0.063W Capacitor, SMD,	07	0402C	RS-Components								
		0402	C/				Farnell		Digi-Key		Mouser		
	1%	0402, 0.063W	R3, R4, R5	0402R	RS-Components		Famell		Digi-Key		Mouser		
K	1%	Resistor, SMD, 0402, 0.063W	R2	0402R	RS-Components		Famell		Digi-Key		Mouser		
ρF	XXV	Capacitor, SMD, 0402	C4	0402C	RS-Components		Famell		Digi-Key		Mouser		
K	1%	Resistor, SMD, 0402, 0.063W	R12	0402R	RS-Components		Famell		Digi-Key		Mouser		
uF	6.3V	Capacitor, SMD,	C10, C15, C21, C23	0402C	RS-Components	758-2764	Famell		Digi-Key	1276-1056-1-ND	Mouser		
K	1%	0402, X5R Resistor, SMD,	R17	0402R	RS-Components		Farnell		Digi-Key		Mouser		
K	1%	0402, 0.063W Resistor, SMD,	R6, R7	0402R	RS-Components		Famell		Digi-Key		Mouser		
=	6.3V	0402, 0.063W	C5, C6, C16	0402C	RS-Components		Famell		Digi-Key		Mouser		
		0402, X5R	R1, R11	0402C									
_	1%	Resistor, SMD, 0402, 0.063W			RS-Components		Farnell		Digi-Key		Mouser		
uF	16V	0402, X7R	C8, C9, C11, C17, C19, C20	0402C	RS-Components		Farnell		Digi-Key		Mouser		
1uF	25V	0402, X7R	C14, C24	0402C	RS-Components		Farnell	2070373	Digi-Key		Mouser		
	1x2 Header	Header Male 1x2	J4	2x1 Pads 2x2mm SMD	RS-Components		Farnell		Digi-Key		Mouser		
	1x3 Header	Header Male 1x3	J6		RS-Components		Farnell		Digi-Key		Mouser		
	1x4 Header	Header Male 1x4	J3, J5	4_Progo_Pin_1 .27, 4 x 2.54	RS-Components		Farnell		Digi-Key		Mouser		
	ADP160AUJZ-	Ultralow	U8	Pads TOP SOT23-5	RS-Components		Farnell		Digi-Key	ADP160AUJZ-3.0-R7CT-ND	Mouser		
	3.0-R7	Quiescent Current, 150 mA, CMOS Linear											
	GSP652535 NO PADS	Regulators GSP652535 NO PADS	B1	GSP652535 NO PADS 2.6mm up	RS-Components		Farnell		Digi-Key		Mouser		
	IP4221CZ6-S	ESD protection for	D2, D5	SOT886	RS-Components	725-8789	Famell	1829274	Digi-Key	568-6340-6-ND	Mouser		
		high-speed interfaces											
	KPTD- 1608SURCK	LED,SMD,Hyper Red,	D4	LED0603R									
	KPTD-1608ZGC	800mcd@20mA LED,SMD,True-	D3	LED0603G									
		Green, 1000mcd@20mA											
	KSS221GLFS	SWITCH TACT SILVR 200GF GULLWING	S1	KSS221G LFS									
	LTC4065EDC#T RMPBF	Standalone 750mA Li-lon Battery Charger in	U7	DFN 6 2X2	RS-Components	822-5935	Farnell	1663910	Digi-Key	LTC4065EDC#TRMPBFCT-ND	Mouser		
	MIC94082YFT	2 × 2 DFN Load Switch, 2A,	U6	MLF 0.85x0.85	RS-Components		Farnell	2431860	Digi-Key	576-3342-1-ND	Mouser	998-MIC94082YFTTR	
		67m Ohm, Pulldown											
	Micro USB B	USB Micro B, Receptacle,	J2	47346-0001	RS-Components	702-5475	Farnell	1568026	Digi-Key	WM17141CT-ND	Mouser		
	MICL OTTOERS	Bottom Mount	lie	ofo 49 7u7	DC Componer's		Famell		Diai Kau	MIZI 277250VETA ND	Mayaar		
	MKL27Z256VFT 4	Kinetis KL27 Microcontroller, 48 MHz ARM® Cortex®-M0+ and	U5	qfn48 7x7	RS-Components		Famell		Digi-Key	MKL27Z256VFT4-ND	Mouser		
	MPU-9250	256 KB Flash MPU-9250 Nine-	U2	QFN40P300X3	RS-Components		Famell		Digi-Key	1428-1019-1-ND	Mouser		
		Axis (Gyro + Accelerometer + Compass) MEMS		00X100_HS- 25N									
	MOFOOT	MotionTracking™ Device		MOSOOT	DO 0		F	0000000	Diel Ken	200 4400 4 ND			
	MS5637- 02BA03	Low Voltage Barometric	U4	MS5637	RS-Components		Famell	2362663	Digi-Key	223-1199-1-ND	Mouser		
	NANO SIM	Pressure Sensor ConCARD Nano	J1	693043020611	RS-Components		Famell	2470827	Digi-Key	732-5954-1-ND	Mouser	710-693043020611	
		SIM Card Connector Push& Pull - 6 Pins			·								
	NZH5V1B,115	DIODE ZENER 5.1V 500MW	D1	SOD-123F	RS-Components		Farnell	2069484	Digi-Key	568-6370-1-ND	Mouser		
	PDTC143ZM,31	SOD123F NPN 100 mA, 50	01 02 03	SOT883	RS-Components		Farnell		Digi-Key	568-2167-6-ND	Mouser		
	5	V resistor- equipped transistor 4.7K	we s, we2, we0		components		. arreir		Signites	2107-040	Jusei		
	SIM808	47K SIM808	U1	SIM808	RS-Components		Farnell		Digi-Key		Mouser		
		GPS/GMS module	-		, components				5,				
	SMA Edge	SMA 50 Ohm	P1		RS-Components		Farnell		Digi-Key		Mouser		
	U.FL	Edge Mount Ultra Small	P2, P3	EM1 U.FL_Coaxial	RS-Components	557-981	Famell	1688077	Digi-Key		Mouser		
		Surface Mount Coaxial											